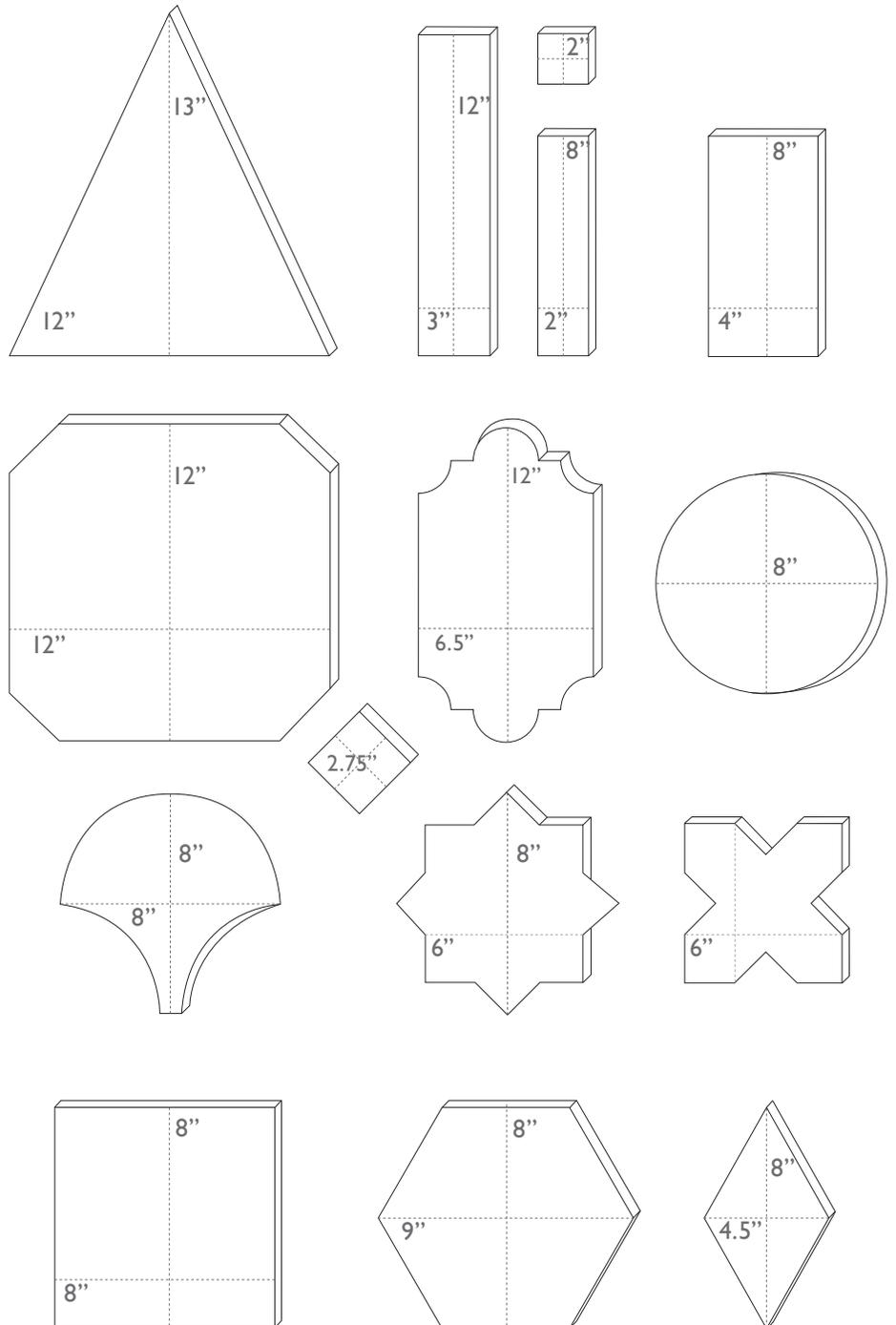


ENCAUSTIC CEMENT

	USAGE
interior floor & wall	Y
exterior floor & wall	Y *
residential low traffic	Y
residential high traffic	Y
commercial low traffic	Y
commercial high traffic	Y
radiant heating compatible	Y
fireplace surround	Y
shower	Y
steam shower (resealing yearly)	Y
fountain	N
freeze thaw	Y **
pool	N
heat resistant	Y
backsplash	Y
grout type	unglazed
grout joint size	1/16"
UV resistant	Y ***



standard thickness for cement under 12"x12" is 5/8". standard thickness for cement over 12"x12" is 3/4". please note thickness can vary plus or minus 1/4".

* requires weather flashing (exterior wall only) and waterproof sealant

** with application of waterproof, penetrating sealant

*** black, dark blue, purple and green colors will fade in direct sunlight



ENCAUSTIC CEMENT INSTALLATION

What's in our tile: Our encaustic cement tiles do not use kilns or other firing processes, therefore no fossil fuels are burned during production. Instead they are processed in a way that allows them to be free of energy costs involved in the firing process of ceramic tiles. They are created using basic earth components - natural pigments mixed with ground marble dust, white portland cement and sand. Instead of firing, our cement tiles are made by pouring the materials into a mold, then hydraulically pressed and stacked in a water bath to cure. The end result is a durable, safe and long lasting tile.

clé has worked with our studios to provide the finest quality cement tiles available. However, for the best installation, it is important that you hire the highest qualified cement tile contractor for your project.

YOUR TILE INSTALLATION IS ONLY AS GOOD AS YOUR INSTALLER.

INSPECTING YOUR SHIPMENT

- All cement tiles are made by hand, therefore variations in thickness, color, shade and pattern is to be expected.
 - 2-4% tile breakage to be expected. We highly recommend ordering 15% overage.
 - Irregular or chipped edges and cracked surfaces is normal.
 - Dust and residue from shipping should be cleaned prior to installing.
-

FOR INSTALLATION GUIDELINES

- clé's guides are only to help direct you in the right path for a proper installation. Each project is unique and therefore requires a professional who can provide the exact specifications for your project.
 - Please have your installer refer to the current edition of the TCNA Handbook for best installation results.
 - Homeowners, please forward clé's overview of cement tile installation tips to your professional installer. ([link to technical guide here](#))
 - Tile is merely the surface of your construction. Most installation issues arise from poor substrate or construction engineering and/or poor installation. Please refer to your project architect, structural engineer and/or installer to have the best results for your tile finish.
-

GROUT GUIDELINES

- clé only recommends Mapei Flexcolor CQ grout for cement tile installations.
 - Use of any other grout types can result in installation issues.
 - Recommended grout joint size – 1/16"
-

MAINTENANCE & SEALING GUIDELINES

- All cement tile installations are required to be sealed for less patina and to avoid staining..
- clé only recommends the use of Miracle 511 Porous Plus for an invisible sealant finish.
- For areas of excessive wear and tear – commercial kitchens, busy bathroom floors etc. – we recommend three to five coats of Miracle Mira Matte in addition to sealing.
- PLEASE FOLLOW ALL MIRACLE SEALANT INSTRUCTIONS FOR BEST RESULTS as well as MAINTENANCE UPKEEP RECOMMENDATIONS.*

* **HINT:** if water or oil does not bead up on the surface of your tiles then the sealant was not applied properly.

CLEANING
GUIDELINES

- Always avoid harsh chemicals and acidic or alkaline cleaning products.
- Immediately clean up spills – do not allow liquids to sit on tile surface.
- Vacuum or sweep regularly – abrasive dirt and materials can scratch the surface.
- Non-slip mats or area rugs should be placed inside and outside entrance ways to remove abrasive materials that can scratch and dirty the tile surface.
- Mop floors regularly with warm, clean water and pH neutral cleaner.
- Interior wall installations can be cleaned with warm water and damp microfiber cloth.
- Shower installations should be squeegeed after each use.

CEMENT
RESTORATION

One of the biggest assets of using cement tile instead of ceramic tiles, is their ability to be refinished like hardwood floors. This isn't the case for lesser quality cement tiles, but your clé cement tile purchase ensures that you not only have the highest quality cement tiles, but your tiles will also be able to be renewed when needed.

For help with cement tile restoration, please see our separate guide detailing this process. clé only recommends using a licensed tile and stone restoration company for this type of work.